

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 10/809,176 A

Source: FWO

Date Processed by STIC: 12/1/04

# ***ENTERED***



IFWO

## RAW SEQUENCE LISTING

DATE: 12/01/2004

PATENT APPLICATION: US/10/809,176A

TIME: 15:19:58

Input Set : A:\2003-002-FF-US-sq.txt

Output Set: N:\CRF4\12012004\J809176A.raw

3 <110> APPLICANT: AKZO Nobel NV

5 <120> TITLE OF INVENTION: An infectious bursal disease virus (IBDV) mutant expressing  
virus

6 neutralising epitopes specific for classic- and variant IBDV

7 strains

9 <130> FILE REFERENCE: 2003-002-FF-US

C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/809,176A

C--> 11 <141> CURRENT FILING DATE: 2004-03-24

11 <160> NUMBER OF SEQ ID NOS: 37

13 <170> SOFTWARE: PatentIn version 3.2

15 <210> SEQ ID NO: 1

16 <211> LENGTH: 6

17 <212> TYPE: PRT

18 <213> ORGANISM: Artificial

20 <220> FEATURE:

21 <223> OTHER INFORMATION: Mutant of classic IBDV

23 <400> SEQUENCE: 1

25 Gly Gly Gln Ala Gly Asp

26 1 5

29 <210> SEQ ID NO: 2

30 <211> LENGTH: 6

31 <212> TYPE: PRT

32 <213> ORGANISM: Artificial

34 <220> FEATURE:

35 <223> OTHER INFORMATION: Mutant of classic IBDV

37 <400> SEQUENCE: 2

39 Gly Gly Gln Ala Gly Glu

40 1 5

43 <210> SEQ ID NO: 3

44 <211> LENGTH: 6

45 <212> TYPE: PRT

46 <213> ORGANISM: Artificial

48 <220> FEATURE:

49 <223> OTHER INFORMATION: Mutant of classic IBDV

51 <400> SEQUENCE: 3

53 Asp Gly Gln Ala Gly Asp

54 1 5

57 <210> SEQ ID NO: 4

58 <211> LENGTH: 6

59 <212> TYPE: PRT

60 <213> ORGANISM: Artificial

62 <220> FEATURE:

63 <223> OTHER INFORMATION: Mutant of classic IBDV

65 <400> SEQUENCE: 4

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68 1 5  
71 <210> SEQ ID NO: 5  
72 <211> LENGTH: 6  
73 <212> TYPE: PRT  
74 <213> ORGANISM: Artificial  
76 <220> FEATURE:  
77 <223> OTHER INFORMATION: Mutant of classic IBDV  
79 <400> SEQUENCE: 5  
81 Asn Gly Gln Ala Gly Glu  
82 1 5  
85 <210> SEQ ID NO: 6  
86 <211> LENGTH: 6  
87 <212> TYPE: PRT  
88 <213> ORGANISM: Artificial  
90 <220> FEATURE:  
91 <223> OTHER INFORMATION: Mutant of classic IBDV  
93 <400> SEQUENCE: 6  
95 Gly Gly Gln Glu Gly Asp  
96 1 5  
99 <210> SEQ ID NO: 7  
100 <211> LENGTH: 6  
101 <212> TYPE: PRT  
102 <213> ORGANISM: Artificial  
104 <220> FEATURE:  
105 <223> OTHER INFORMATION: Mutant of classic IBDV  
107 <400> SEQUENCE: 7  
109 Asp Gly Gln Glu Gly Asp  
110 1 5  
113 <210> SEQ ID NO: 8  
114 <211> LENGTH: 6  
115 <212> TYPE: PRT  
116 <213> ORGANISM: Artificial  
118 <220> FEATURE:  
119 <223> OTHER INFORMATION: Mutant of classic IBDV  
121 <400> SEQUENCE: 8  
123 Asn Gly Gln Glu Gly Asp  
124 1 5  
127 <210> SEQ ID NO: 9  
128 <211> LENGTH: 6  
129 <212> TYPE: PRT  
130 <213> ORGANISM: Artificial  
132 <220> FEATURE:  
133 <223> OTHER INFORMATION: Mutant of classic IBDV  
135 <400> SEQUENCE: 9  
137 Asn Gly Gln Glu Gly Glu  
138 1 5  
141 <210> SEQ ID NO: 10  
142 <211> LENGTH: 6

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Input Set : A:\2003-002-FF-US-sq.txt

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143 <212> TYPE: PRT  
144 <213> ORGANISM: Artificial  
146 <220> FEATURE:  
147 <223> OTHER INFORMATION: Mutant of classic IBDV  
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152 1 5  
155 <210> SEQ ID NO: 11  
156 <211> LENGTH: 6  
157 <212> TYPE: PRT  
158 <213> ORGANISM: Artificial  
160 <220> FEATURE:  
161 <223> OTHER INFORMATION: Mutant of classic IBDV  
163 <400> SEQUENCE: 11  
165 Gly Gly Gln Ala Gly Glu  
166 1 5  
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170 <211> LENGTH: 6  
171 <212> TYPE: PRT  
172 <213> ORGANISM: Artificial  
174 <220> FEATURE:  
175 <223> OTHER INFORMATION: Mutant of classic IBDV  
177 <400> SEQUENCE: 12  
179 Asp Gly Gln Ala Gly Asp  
180 1 5  
183 <210> SEQ ID NO: 13  
184 <211> LENGTH: 6  
185 <212> TYPE: PRT  
186 <213> ORGANISM: Artificial  
188 <220> FEATURE:  
189 <223> OTHER INFORMATION: mutant of pD78A  
191 <400> SEQUENCE: 13  
193 Asp Gly Gln Ala Gly Glu  
194 1 5  
197 <210> SEQ ID NO: 14  
198 <211> LENGTH: 6  
199 <212> TYPE: PRT  
200 <213> ORGANISM: Artificial  
202 <220> FEATURE:  
203 <223> OTHER INFORMATION: Mutant of classic IBDV  
205 <400> SEQUENCE: 14  
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208 1 5  
211 <210> SEQ ID NO: 15  
212 <211> LENGTH: 6  
213 <212> TYPE: PRT  
214 <213> ORGANISM: Artificial  
216 <220> FEATURE:  
217 <223> OTHER INFORMATION: Mutant of classic IBDV

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222 1      5
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226 <211> LENGTH: 6
227 <212> TYPE: PRT
228 <213> ORGANISM: Artificial
230 <220> FEATURE:
231 <223> OTHER INFORMATION: Mutant of classic IBDV
233 <400> SEQUENCE: 16
235 Asn Gly Gln Ala Gly Glu
236 1      5
239 <210> SEQ ID NO: 17
240 <211> LENGTH: 6
241 <212> TYPE: PRT
242 <213> ORGANISM: Artificial
244 <220> FEATURE:
245 <223> OTHER INFORMATION: Mutant of classic IBDV
247 <400> SEQUENCE: 17
249 Asn Gly Gln Glu Gly Asp
250 1      5
253 <210> SEQ ID NO: 18
254 <211> LENGTH: 6
255 <212> TYPE: PRT
256 <213> ORGANISM: Artificial
258 <220> FEATURE:
259 <223> OTHER INFORMATION: Mutant of classic IBDV
261 <400> SEQUENCE: 18
263 Asn Gly Gln Glu Gly Glu
264 1      5
267 <210> SEQ ID NO: 19
268 <211> LENGTH: 31
269 <212> TYPE: PRT
270 <213> ORGANISM: Infectious bursal disease virus
272 <400> SEQUENCE: 19
274 Ser Asp Arg Pro Arg Val Tyr Thr Ile Thr Ala Ala Asp Asp Tyr Gln
275 1      5      10      15
278 Phe Ser Ser Gln Tyr Gln Pro Gly Gly Val Thr Ile Thr Leu Phe
279      20      25      30
282 <210> SEQ ID NO: 20
283 <211> LENGTH: 45
284 <212> TYPE: DNA
285 <213> ORGANISM: Artificial
287 <220> FEATURE:
288 <223> OTHER INFORMATION: oligonucleotide for site-directed mutagenesis
290 <400> SEQUENCE: 20
291 gaccatgaca tctgatcccc tgcctgaccg tcacttttgg aggtc      45
294 <210> SEQ ID NO: 21
295 <211> LENGTH: 45

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Input Set : A:\2003-002-FF-US-sq.txt

Output Set: N:\CRF4\12012004\J809176A.raw

296 <212> TYPE: DNA  
297 <213> ORGANISM: Artificial  
299 <220> FEATURE:  
300 <223> OTHER INFORMATION: oligonucleotide for site-directed mutagenesis  
302 <400> SEQUENCE: 21  
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306 <210> SEQ ID NO: 22  
307 <211> LENGTH: 45  
308 <212> TYPE: DNA  
309 <213> ORGANISM: Artificial  
311 <220> FEATURE:  
312 <223> OTHER INFORMATION: oligonucleotide for site-directed mutagenesis  
314 <400> SEQUENCE: 22  
315 gaccatgaca tctgatcccc ttcctgaccg tcacttttgg aggtc 45  
318 <210> SEQ ID NO: 23  
319 <211> LENGTH: 45  
320 <212> TYPE: DNA  
321 <213> ORGANISM: Artificial  
323 <220> FEATURE:  
324 <223> OTHER INFORMATION: oligonucleotide for site-directed mutagenesis  
326 <400> SEQUENCE: 23  
327 gaccatgaca tctgttcccc ttcctgaccg tcacttttgg aggtc 45  
330 <210> SEQ ID NO: 24  
331 <211> LENGTH: 45  
332 <212> TYPE: DNA  
333 <213> ORGANISM: Artificial  
335 <220> FEATURE:  
336 <223> OTHER INFORMATION: oligonucleotide for site-directed mutagenesis  
338 <400> SEQUENCE: 24  
339 gaccatgaca tctgttcccc tgcctgacca ccacttttgg aggtc 45  
342 <210> SEQ ID NO: 25  
343 <211> LENGTH: 45  
344 <212> TYPE: DNA  
345 <213> ORGANISM: Artificial  
347 <220> FEATURE:  
348 <223> OTHER INFORMATION: oligonucleotide for site-directed mutagenesis  
350 <400> SEQUENCE: 25  
351 gaccatgaca tctgatcccc ttcctgacca ccacttttgg aggtc 45  
354 <210> SEQ ID NO: 26  
355 <211> LENGTH: 45  
356 <212> TYPE: DNA  
357 <213> ORGANISM: Artificial  
359 <220> FEATURE:  
360 <223> OTHER INFORMATION: oligonucleotide for site-directed mutagenesis  
362 <400> SEQUENCE: 26  
363 gaccatgaca tctgttcccc ttcctgacca ccacttttgg aggtc 45  
366 <210> SEQ ID NO: 27  
367 <211> LENGTH: 45  
368 <212> TYPE: DNA

RAW SEQUENCE LISTING ERROR SUMMARY      DATE: 12/01/2004  
PATENT APPLICATION:    US/10/809,176A      TIME: 15:19:59

Input Set : A:\2003-002-FF-US-sq.txt  
Output Set: N:\CRF4\12012004\J809176A.raw

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,  
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,20,21,22,23,24,25,26,27,28  
Seq#:29,30,31,32,33,34,35

**VERIFICATION SUMMARY**

DATE: 12/01/2004

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TIME: 15:19:59

Input Set : A:\2003-002-FF-US-sq.txt

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L:11 M:270 C: Current Application Number differs, Replaced Current Application No

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date